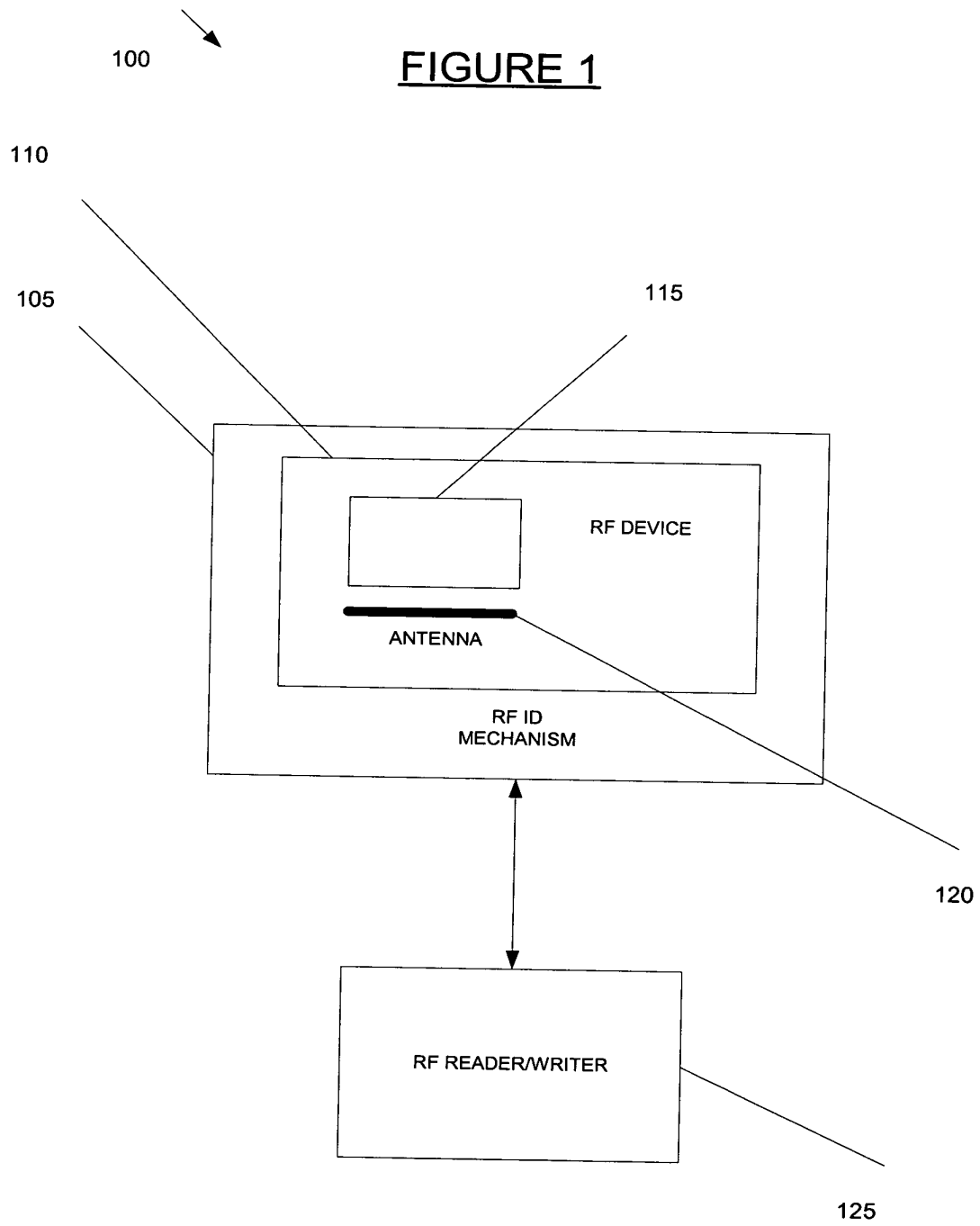


FIGURE 1



**FIGURE 2**

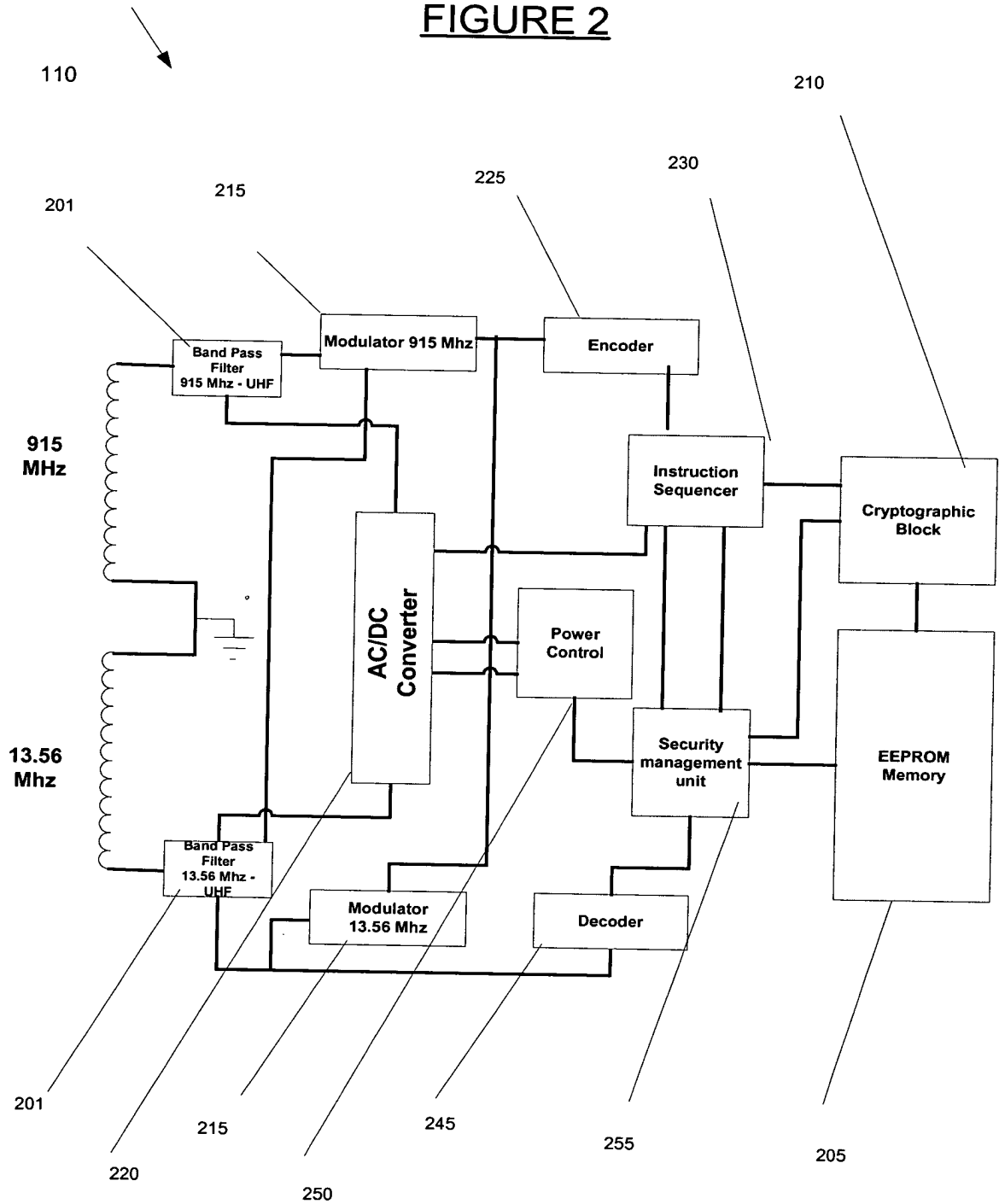


FIGURE 3A

**Original IP  
Packet**

<b>IP header</b>	<b>TCP header</b>	<b>Data header</b>
----------------------	-----------------------	------------------------

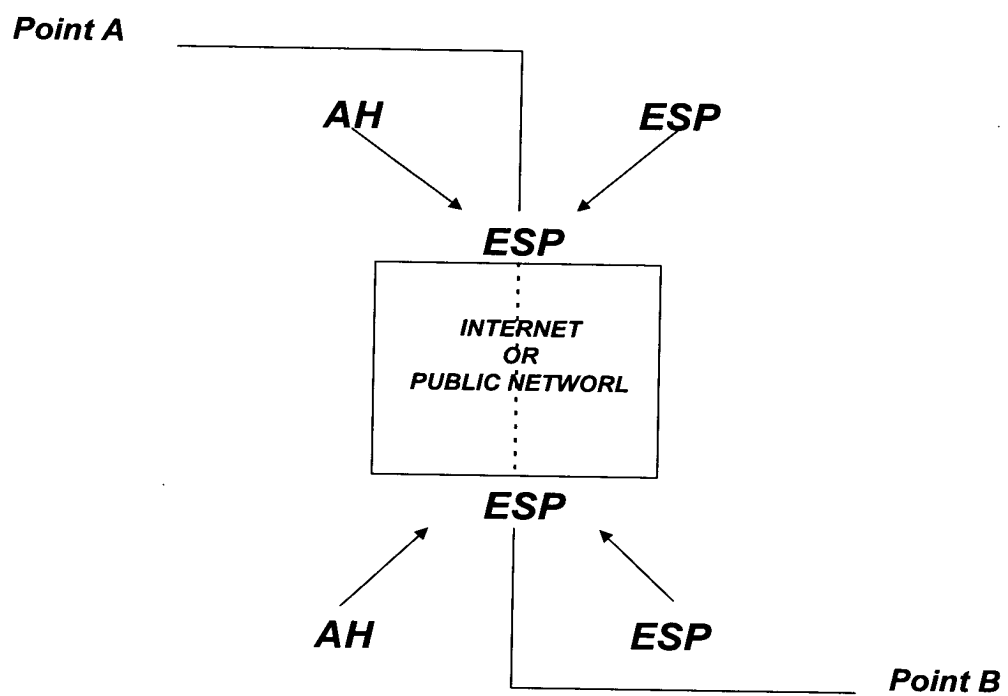
**Transport mode  
Protected packet**

<b>IP header</b>	<b>IPSec header</b>	<b>TCP header</b>	<b>Data header</b>
----------------------	-------------------------	-----------------------	------------------------

**Tunnel mode  
Protected packet**

<b>IP header</b>	<b>IPSec header</b>	<b>IP header</b>	<b>TCP header</b>	<b>Data header</b>
----------------------	-------------------------	----------------------	-----------------------	------------------------

FIGURE 3B



400 ↘

## FIGURE 4

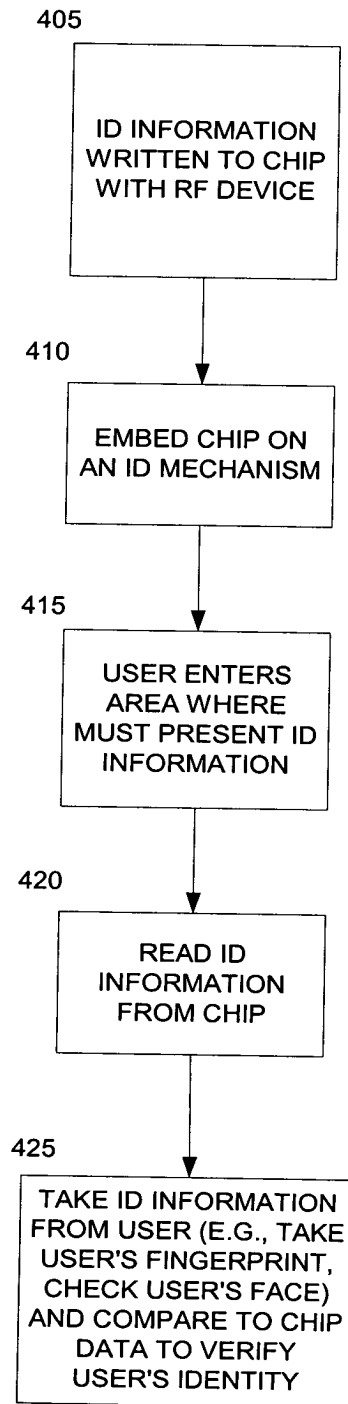
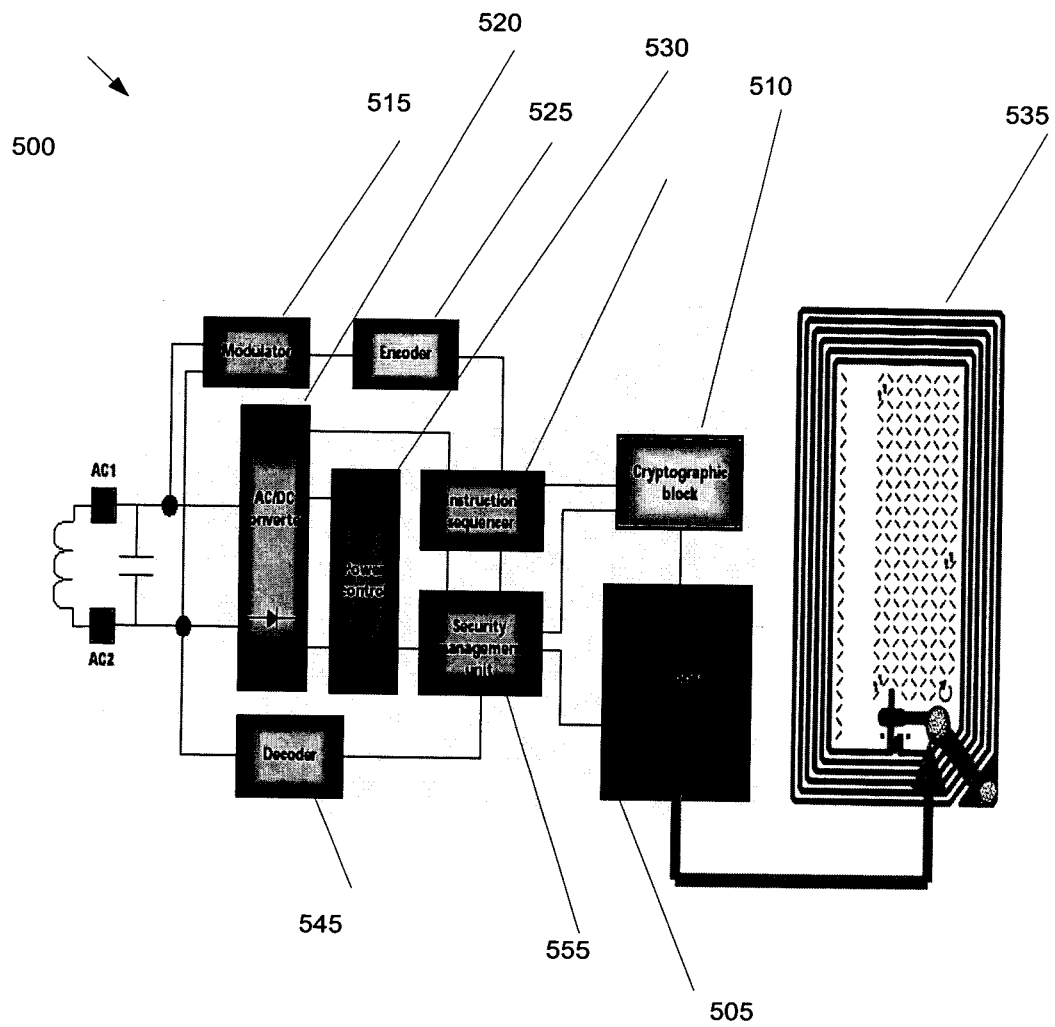


FIGURE 5



**FIGURE 6**

600

605

COLLECT INDIVIDUAL ID INFORMATION (E.G., FINGERPRINT, PICTURE) AND/OR VEHICLE ID INFORMATION (E.G., REGISTERED VEHICLE, LICENSE NUMBER, ETC.) AND SAVE TO RF ID DEVICE

610

EMBED RF DEVICE ON A REGISTERED ITEM (E.G., LICENSE PLATE)

615

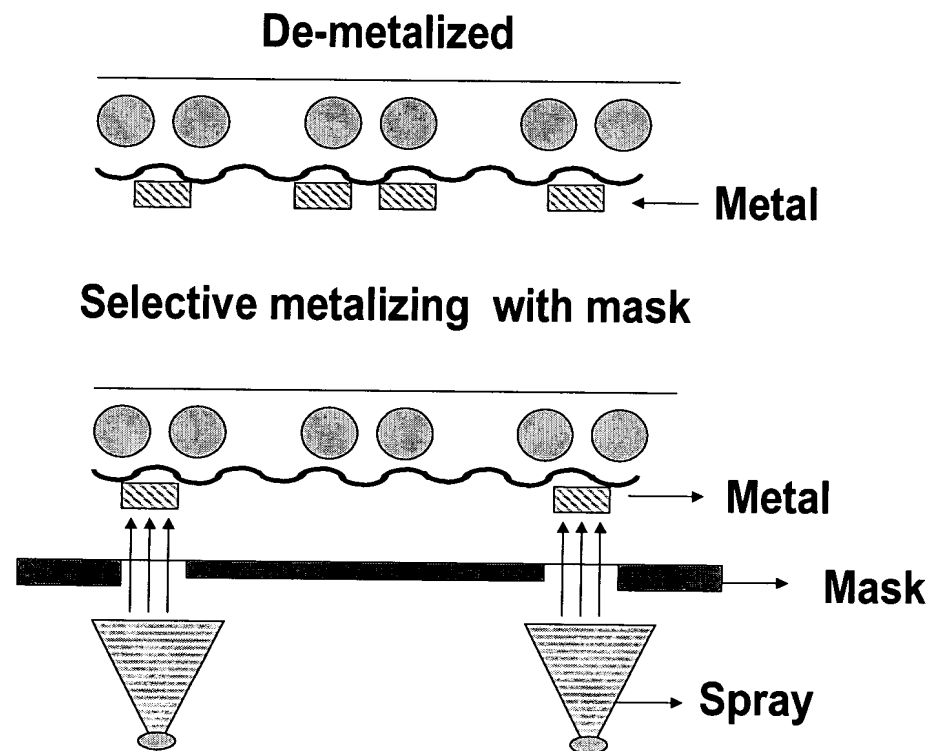
AUTHORITY USES RF READER TO READ RF DEVICE'S CHIP DATA

620

TAKE AND COMPARE INDIVIDUAL ID INFORMATION AND/OR VEHICLE ID INFORMATION TO VERIFY INDIVIDUAL'S IDENTITY AND WHETHER INDIVIDUAL HAS AUTHORITY TO POSSESS REGISTERED ITEM

**FIGURE 7**

700





800 ↘

## FIGURE 8

805

RF ANTENNAS  
PRODUCED BY  
DEMETALIZED OR  
SELECTIVE  
METALIZING  
PROCESS

810

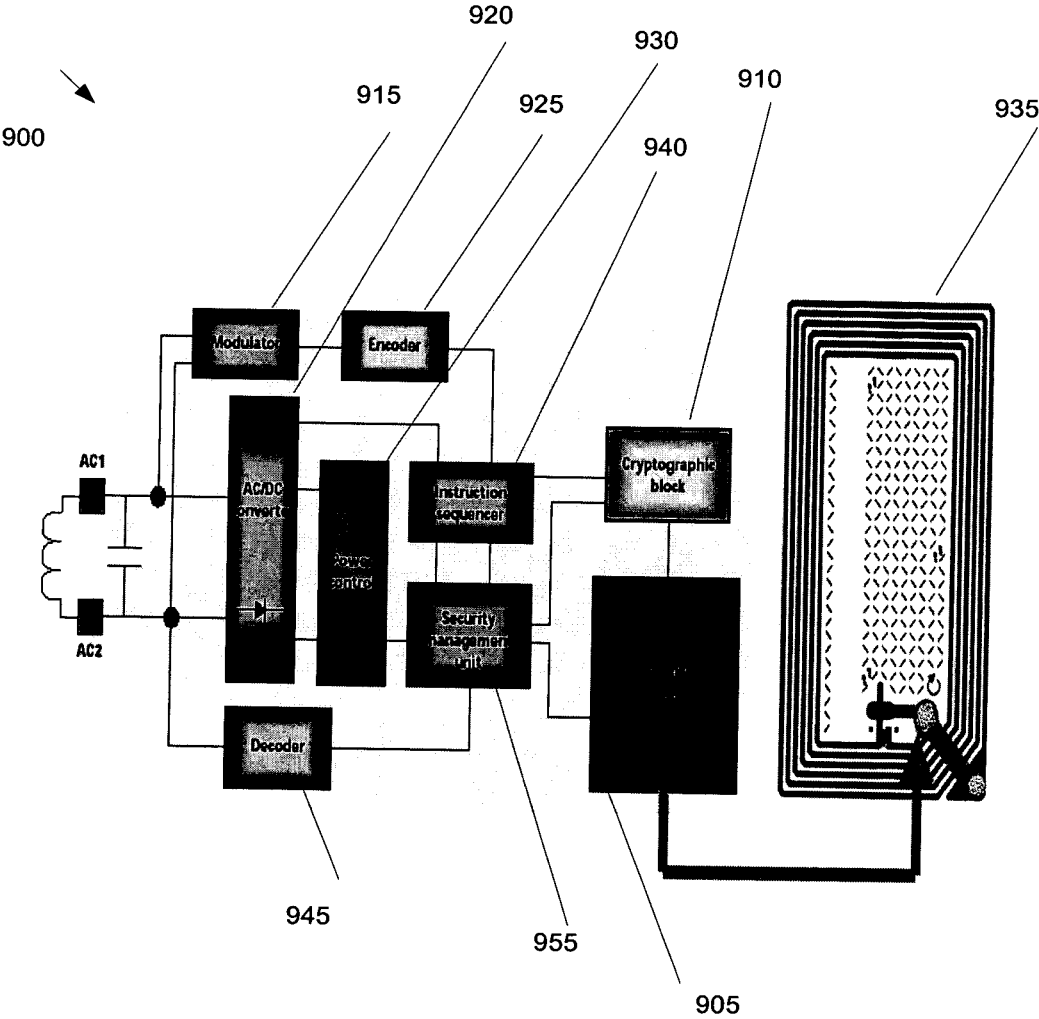
APPLY SILVER OR  
COPPER CONTENT  
INKS

815

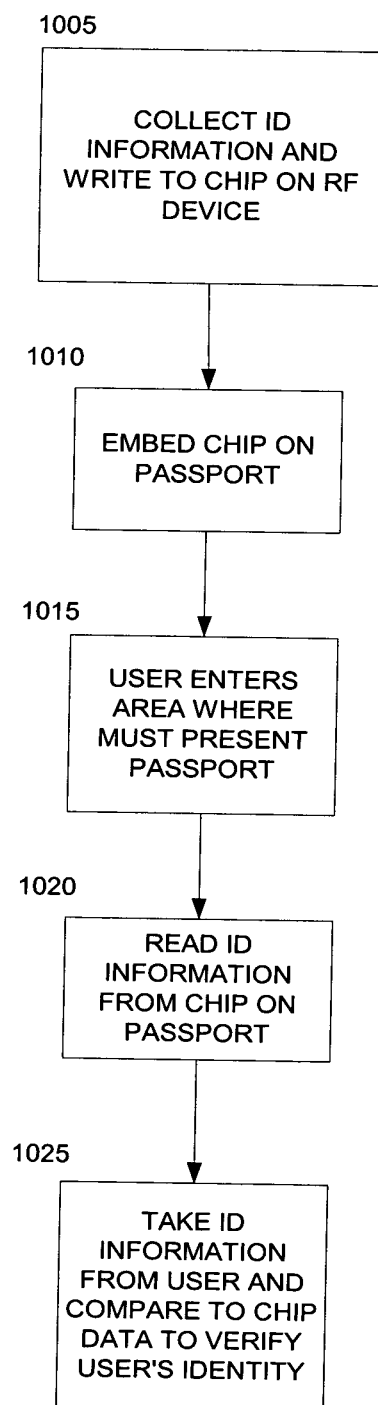
ADHESIVE LAYER  
APPLIED TO  
ANTENNA



FIGURE 9



**FIGURE 10**



1100 ↘

## FIGURE 11

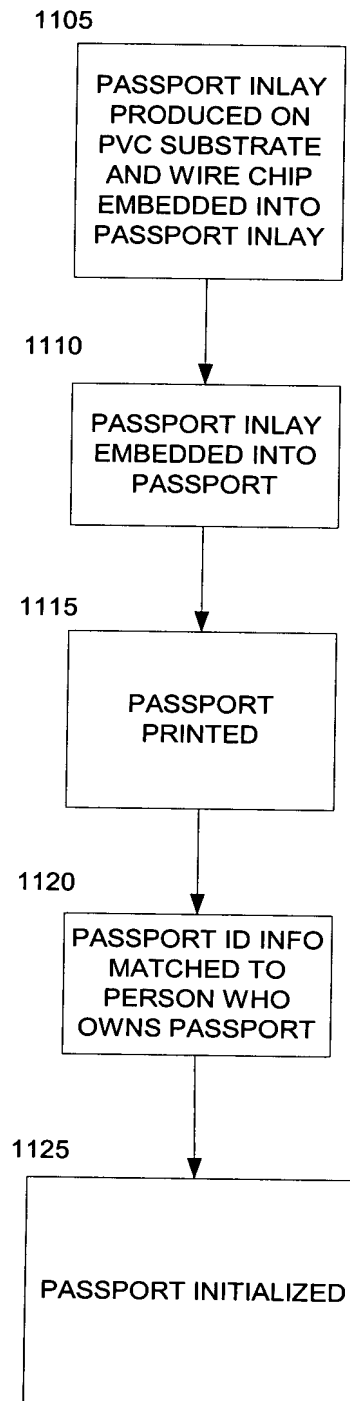


FIGURE 12

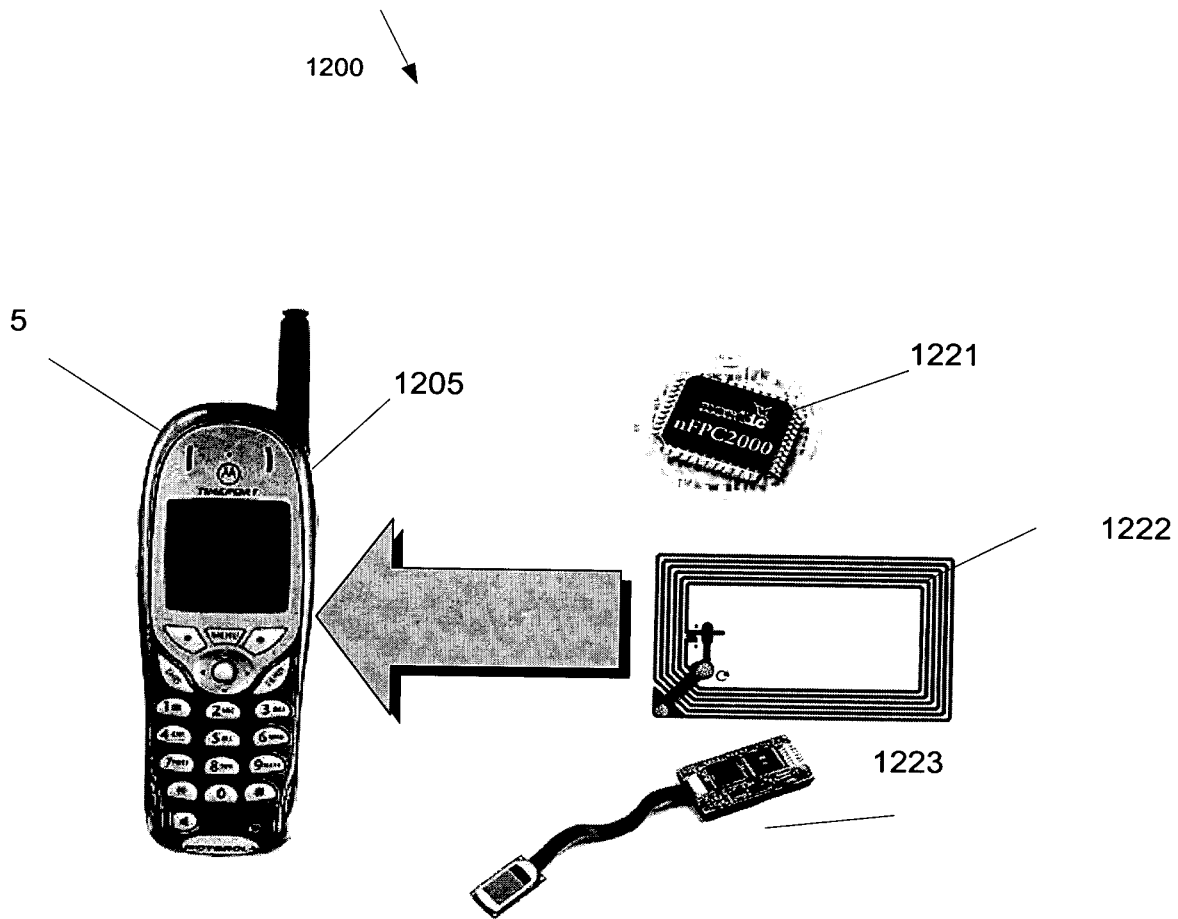
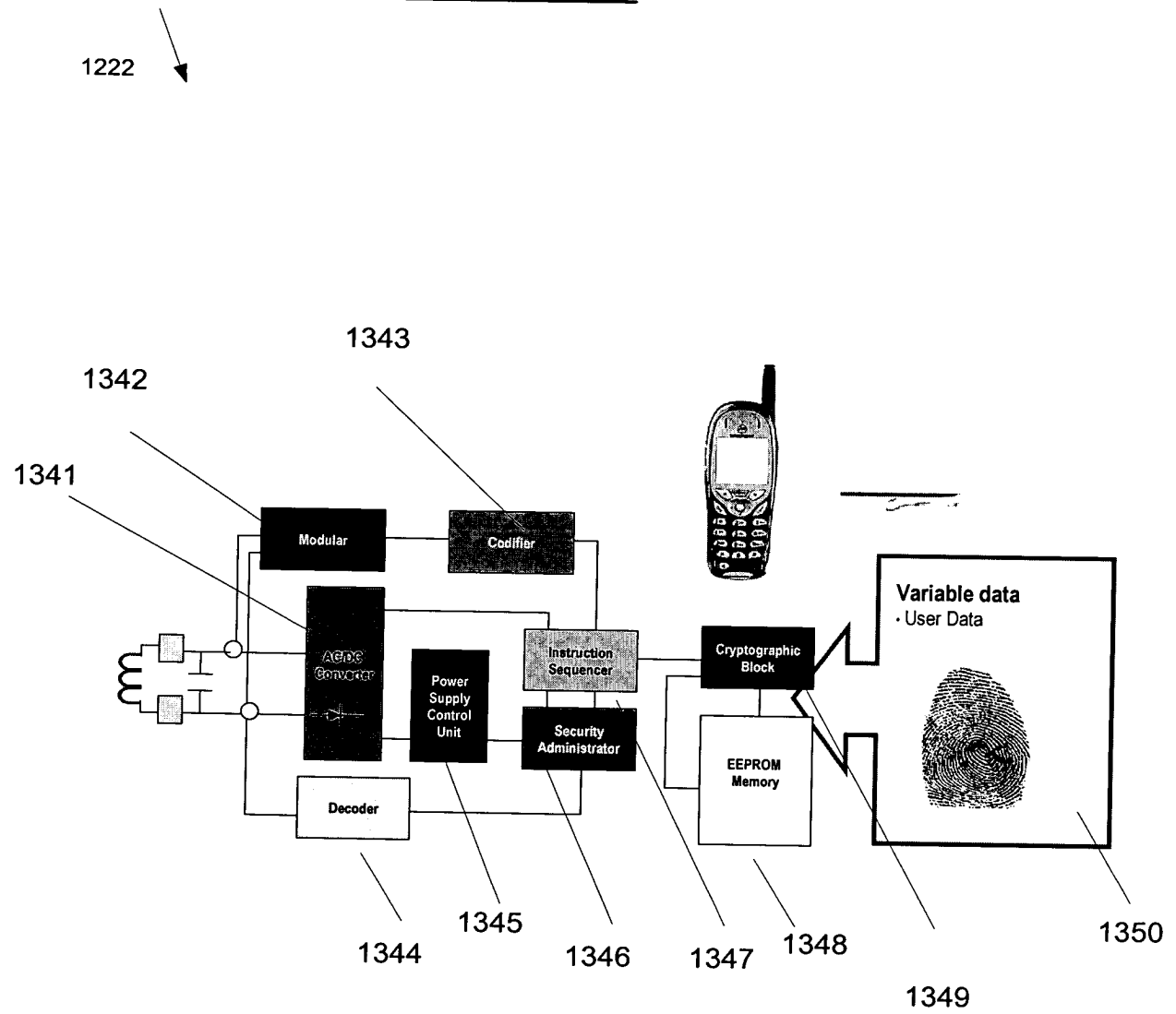


FIGURE 13



1400

## FIGURE 14

1405

USER WITH RF CELL PHONE  
APPROACHES RF READER. RF  
READER IDENTIFIES USER AND  
OBTAINS RELEVANT  
TRANSACTION INFORMATION.

1410

USER PROMPTED TO ENTER  
AUTHENTICATION INFORMATION  
(FINGERPRINT).

1415

IF USER SELECTS TO COMPLETE  
TRANSACTION, USER ENTERS  
AUTHENTICATION INFORMATION.

1420

RF READER/WRITER AND RF  
CELL PHONE USED TO VERIFY  
INFORMATION (E.G.,  
FINGERPRINT).

FIGURE 15

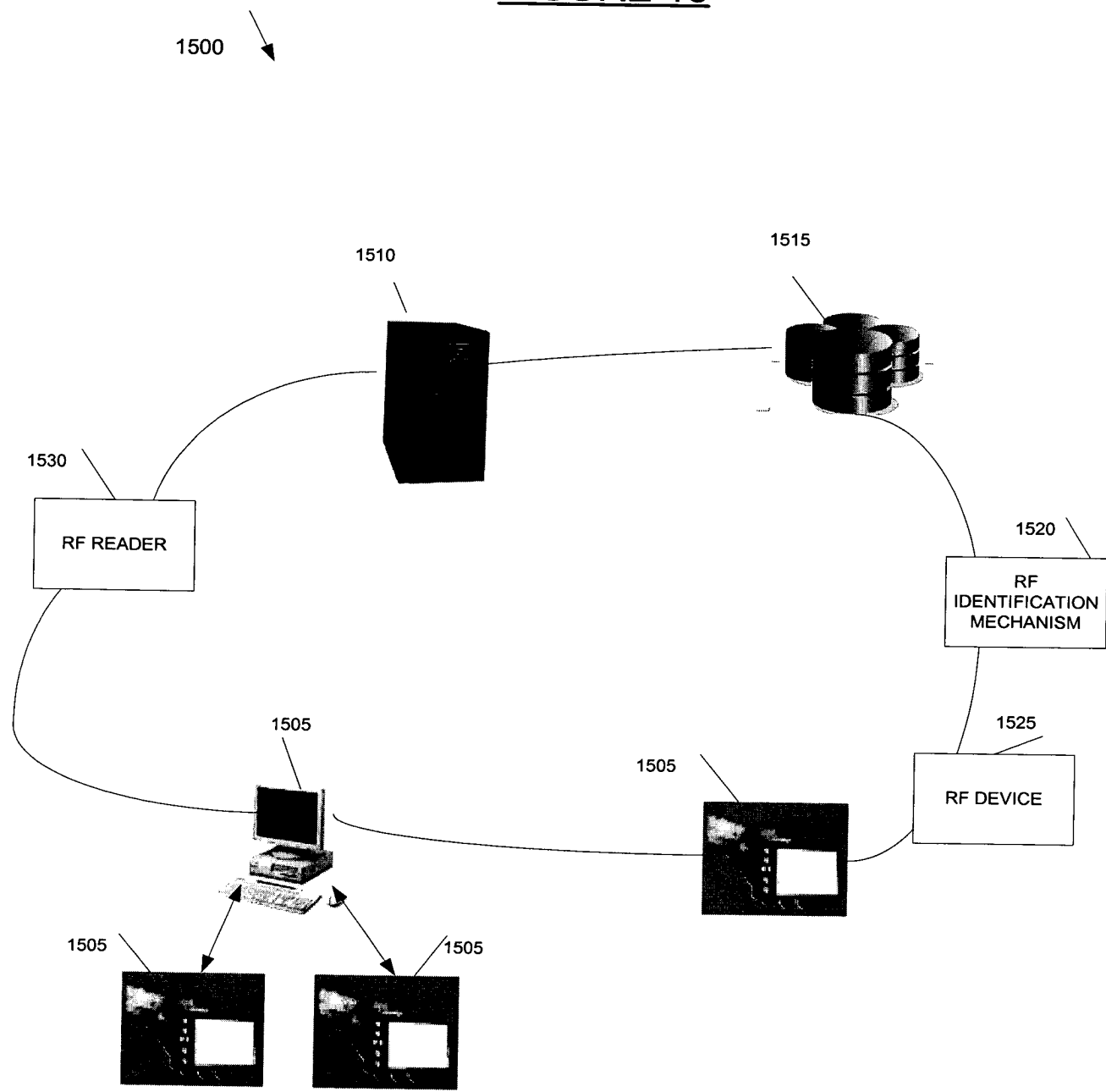
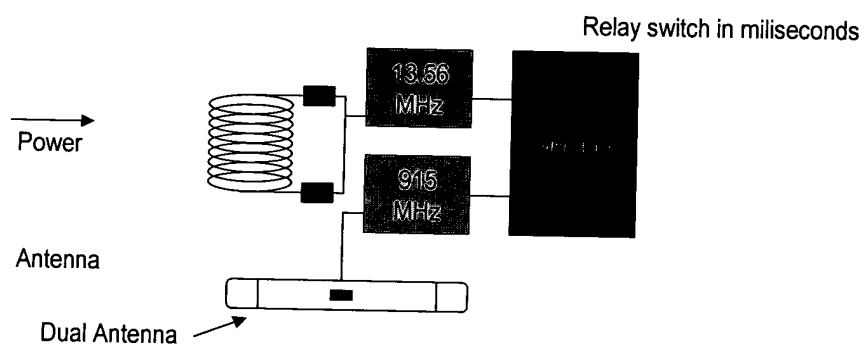




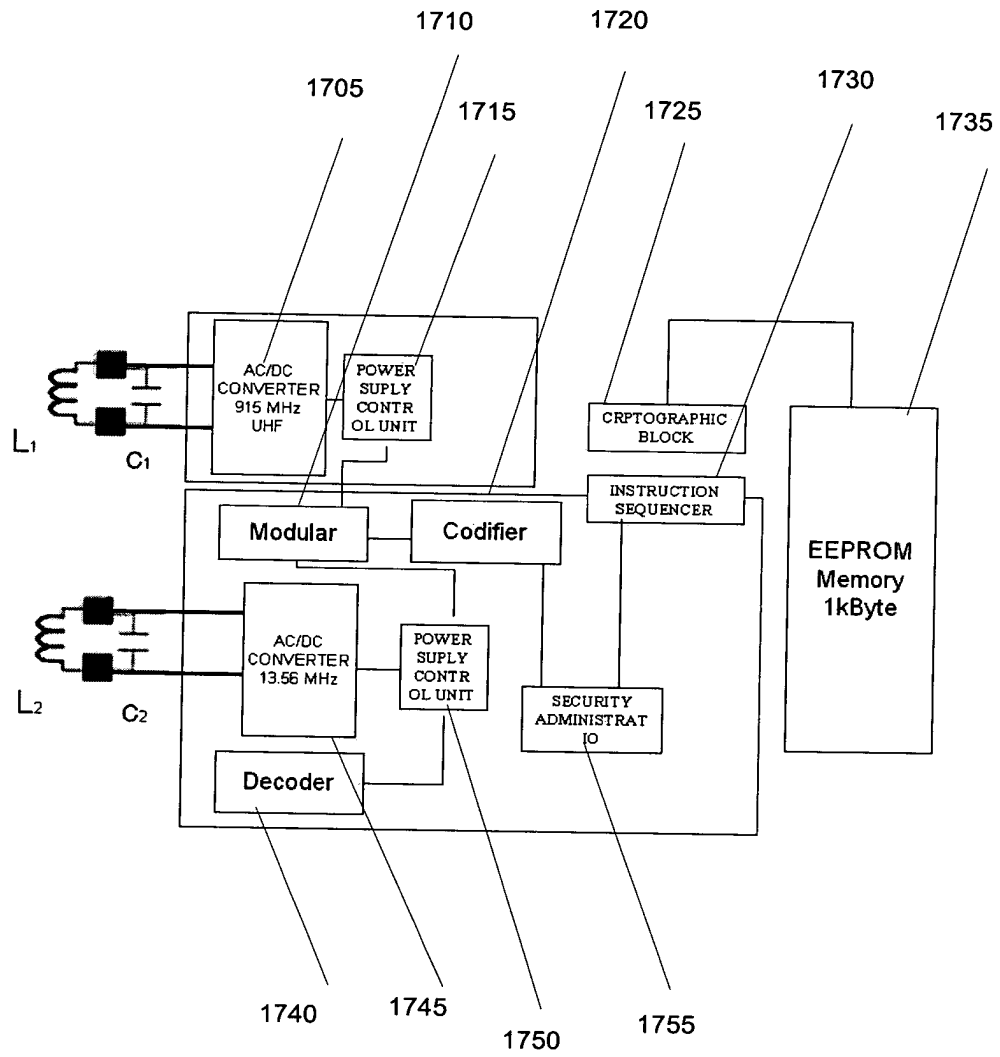
FIGURE 16

1600

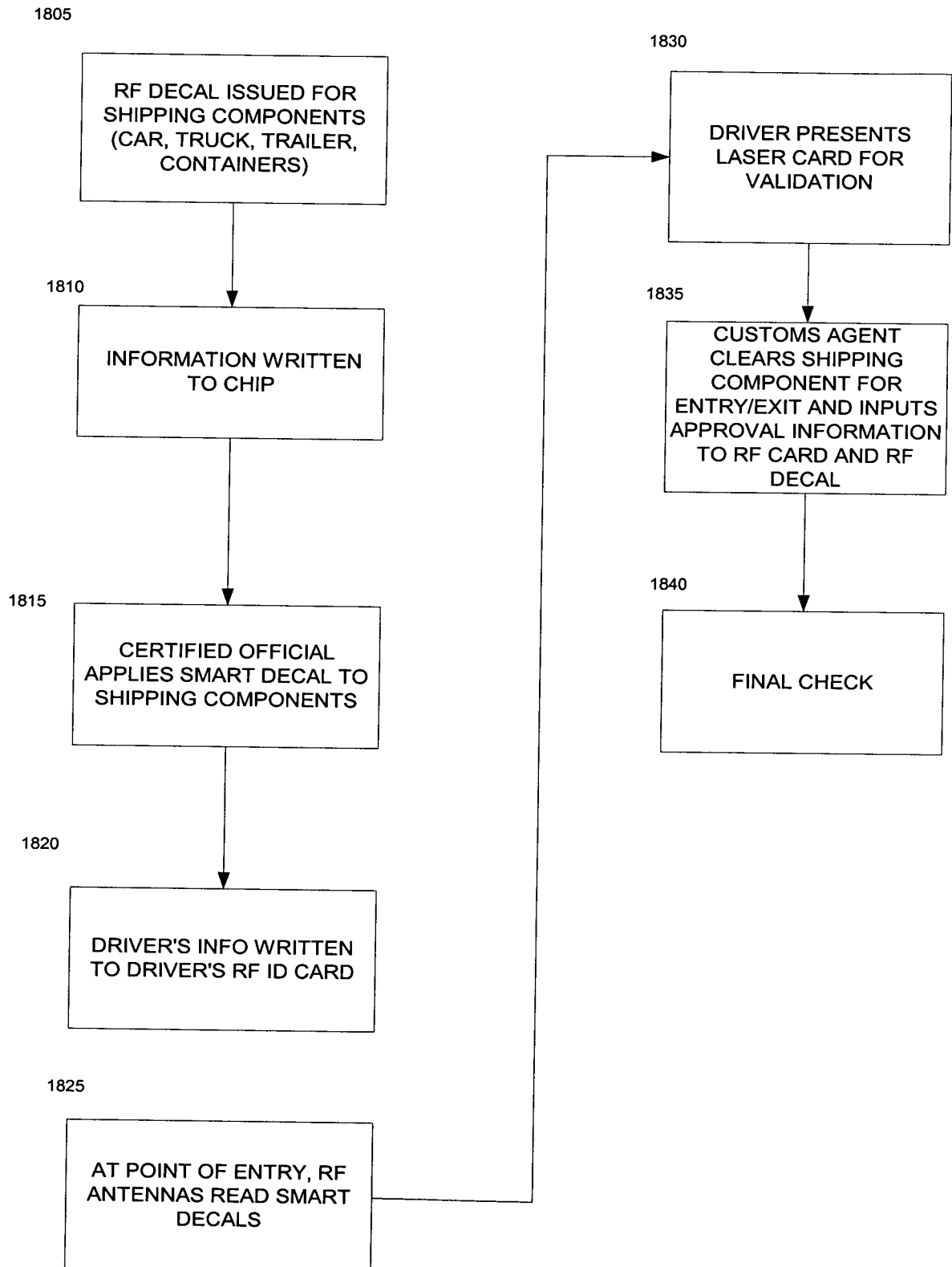


**FIGURE 17**

1700



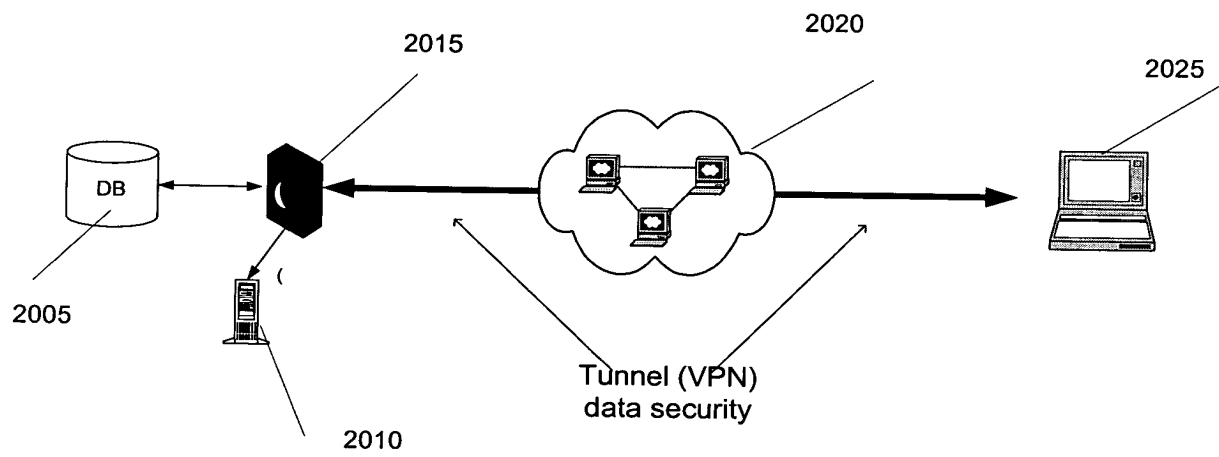
**FIGURE 18**



**FIGURE 19**

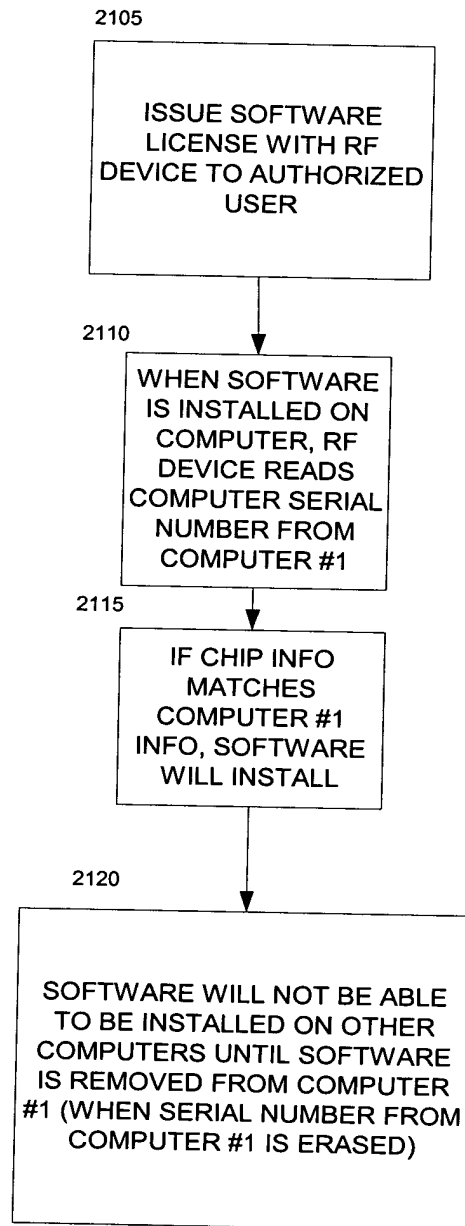


FIGURE 20



2100

## FIGURE 21



**FIGURE 22**

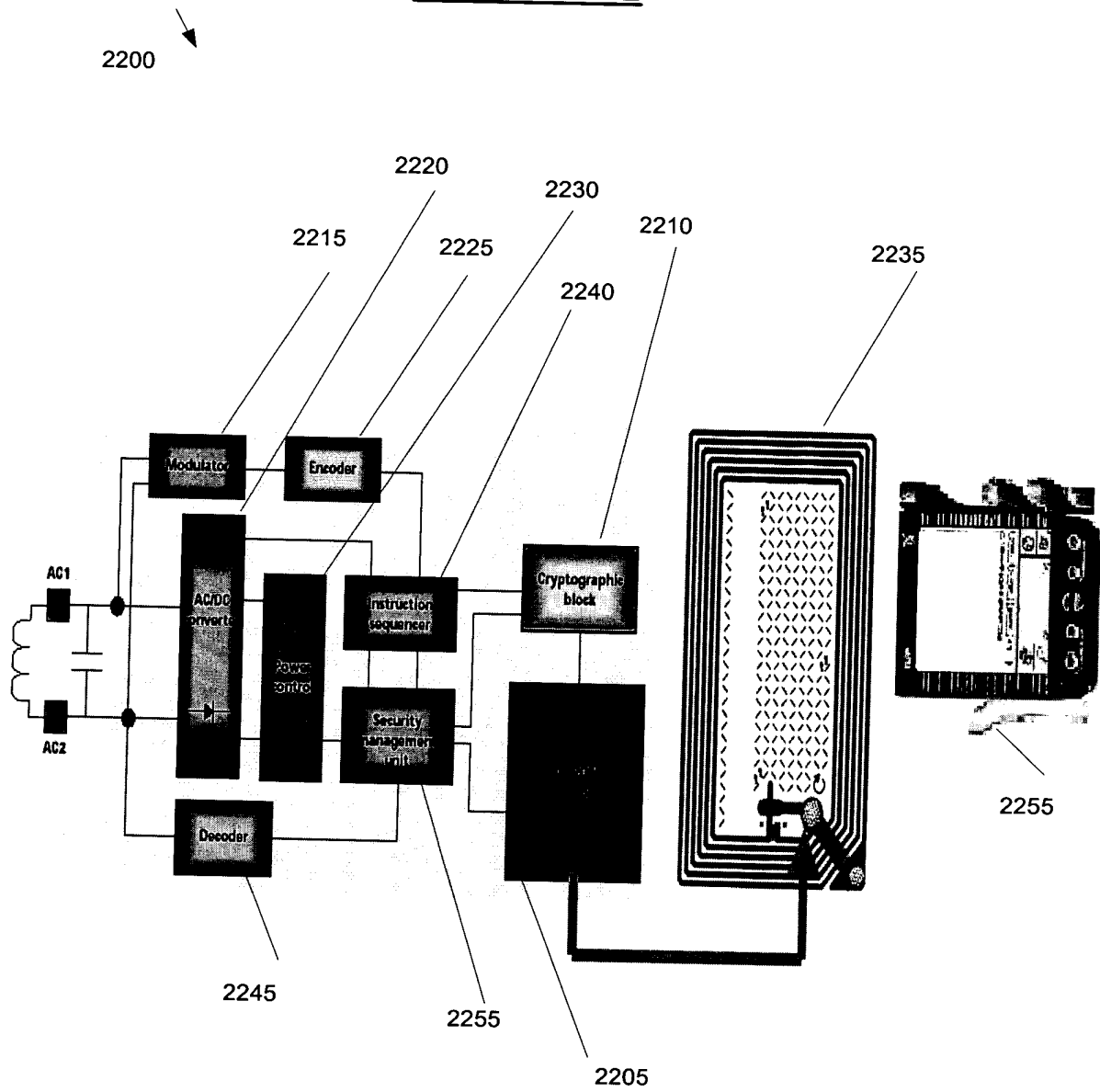


FIGURE 23

2300

